

# Risk assessment for genebanks

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## **Overall Objective**

genetic resources maintained in the genebank are effectively conserved and used

## **Possible risks**

- ✓ 'lost' opportunity: task not done in time when only possible
- ✓ operation risks: risks occurring during handling of accessions
- ✓ physical risks: affecting facilities: fire, theft, flood
- ✓ user risks: accessions not properly cleaned/ documented
- ✓ financial risks: inadequate, late or erratic funding

**process x**

associated risks	risk likelihood	risk impact	responsible person(s)	action, mitigation	policy procedure, documentation	internal/ external reviews
characterization of risks			control of risks		documentation about risks	



# Regeneration/ multiplication

associated risks	risk likelihood	risk impact	responsible person	action, mitigation	policy procedure, documentation	reviews
5 capital sins: 1. Loss 2. Mechanical mixture 3. Genetic mixture 4. Drift 5. Infection	low  variable  variable  possible possible	high high  high  high high	GRU GRU  GRU  GRU SHL	possible, but implications in terms of personnel and budget	Handbook of genebank procedures	yes
characterization of risks			control of risks		documentation about risks	

# Where are we going from here ?

1. The worst risk might be in doing nothing/ changing nothing
2. Mitigation of some risks is good practice: health hazards, fire
3. Review of current genebank operations to lower risks
4. Update your handbook of genebank operations
5. Participation into review processes about risk assessment/  
monitoring
6. Sharing information with others? Training ?